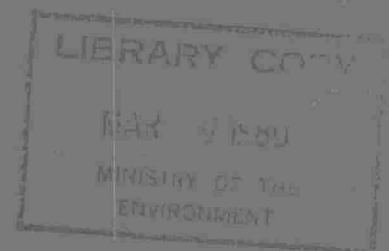


# LAKE TEMAGAMI SANITARY SURVEY

1978 AND 1979



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Ontario

Ministry  
of the  
Environment

The Honourable  
Harry C. Parrott, D.D.S.,  
Minister

Graham W. S. Scott,  
Deputy Minister

LABORATORY & RESEARCH LIBRARY  
MINISTRY OF THE ENVIRONMENT

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LAKE TEMAGAMI SANITARY SURVEY

1978 AND 1979

MINISTRY OF THE ENVIRONMENT

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## TABLE OF CONTENTS

### PAGE NO.

INTRODUCTION	1
PAST STUDIES OF LAKE TEMAGAMI	3
CONCLUSIONS	5
PHASE I - LAKE TEMAGAMI SANITARY SURVEY - 1978	
Introduction	8
Conclusions	9
Observations	10
Summary	13
Solutions	14
Recommendations	16
Appendix 1	17
Appendix 2	27
Appendix 2 (a)	28
Appendix 3	29
Appendix 4	30
Map 1	31
Map 2	32
Glossary of Terms	33
PHASE II - LAKE TEMAGAMI SANITARY SURVEY - 1979	
Introduction	35
Conclusions	36
Observations	37
Summary	39
Recommendations	40
Appendix 1	41
Appendix 2	45
Appendix 3	47
Appendix 4	48
Appendix 5	49

## INTRODUCTION

### Description of Lake Temagami

Lake Temagami is the largest lake in the District of **Nipissing** (see Map 1). It is an extremely irregular shaped water body having several long arms, as well as numerous bays, inlets, and islands (1,259). The total water area is approximately 50,000 acres, with 370 miles of mainland and an additional 200 miles of shoreline on the islands of the lake (see Map 1). The mean depth of the lake is 60 feet with a maximum depth of 350 feet.

### Physical Geography

The entire area is noted for its' extremely rocky terrain, with a very shallow amount of soil. Primarily the soil types consist of organic material or a gravelly sand deposit. It was noted that many of the islands had barely enough soil to support natural vegetation, let alone an adequate area for disposal of sewage wastes.

### Population

The population of the area is approximately 1,525 (census 1971) permanent residents (Table 1). This figure sharply increases during the summer season due to the influx of cottagers.

TABLE 1

<u>LOCATION</u>	<u>POPULATION</u>
Village of Temagami	900
New Temagami Townsite	200
Milne Townsite (North Shore Link Lake)	100
Gillies Townsite (Snake Island Lake)	75
Two Trailer parks (Link Lake and Highway 11 north of Goward)	125
Bear Island Indian Reserve	100-150

## PAST STUDIES OF LAKE TEMAGAMI

In 1971, the Ministry of Natural Resources published a management plan for Lake Temagami. This plan provided for a substantial increase in the number of cottages on the lake.

It was the concern of the Temagami Lakes Association and the Ministry of the Environment that the present water quality should be evaluated, prior to any additional development.

Consequently, an intensive sampling program was carried out during the summer of 1972, and following is a summary of the conclusions and recommendations.

"investigations carried out in the summer of 1972 indicate that, with the exception of the Northeast Arm near the Village of Temagami, Lake Temagami exhibits generally high water quality. In the Northeast Arm, adjacent to Temagami, water quality was grossly impaired. This is considered a result of inputs from Temagami and the intensive cottage developments in the area."

This report recommended that:

1. caution be exercised in designing future shoreline development to ensure that sewage disposal systems meet with the standards of the Ministry of the Environment; and
2. a cottage survey be undertaken as soon as practicable to evaluate the efficiency of individual sewage disposal systems.

Following these recommendations, the Timiskaming Health Unit conducted a survey of the Southwest Arm of Lake Temagami.

This survey included a total of 44 building lots (see Map 2).

Each property was examined to determine the type(s) of sewage disposal facilities in use and whether or not they were creating any problems. The following is a summary of their recommendations:

"The survey indicated that it would be in the best interests of the cottage owners to investigate the possibility of



installing holding tanks in conjunction with an approved barge to haul sewage. This recommendation was based on the fact that most islands which were surveyed proved not only to have a minimal amount of soil, but were also lacking in adequate area for the installation of an approved conventional septic tank, tile field system.

It was further recommended that all cottage owners correct any problems which were discovered during the survey.

Each owner was provided with information regarding possible methods of corrections and were requested to complete the necessary work as soon as possible.

In 1977, the Timiskaming Health Unit withdrew from an agreement with the Ministry of the Environment to control, inspect, and certify private sewage disposal systems (hereafter referred to as the Part VII program), in the jurisdictional area of the Health Unit.

To ensure a smooth transaction, the two agencies met on several occasions. During one of these meetings, discussion arose on the topic of Lake Temagami and the Health Unit survey of 1973-74. We discovered that through the lack of funds and manpower, a follow-up investigation of this survey was never conducted. Consequently, in the summer of 1978 this Ministry initiated a program to determine the extent of corrective action that had taken place by the cottagers themselves.

## CONCLUSIONS

There are a total of 1259 numbered islands located on Lake Temagami. Of these, a total of 662 parcels are held as cottages or commercial camp sites. These parcels consist of either entire islands or portions thereof (from the Temagami Land Plan).

In the past, the Timiskaming Health Unit has surveyed 307 dwellings as to the acceptability of the method of sewage disposal. A total of 458 systems were surveyed, of which 192 (42 percentage) were not adequate.

In 1978, the Ministry of the Environment re-inspected 33 properties previously inspected to ascertain if the Timiskaming Health Unit recommendations had been followed.

Further appropriate action was taken where no upgrading had occurred. In addition, 13 properties not previously inspected were surveyed. Of this number, 4 properties had substandard methods of sewage disposal.

In 1979, Ministry of the Environment personnel inspected 25 properties determined in 1978 to require repairs or upgrading.

Following these inspections, the required repairs have been completed at nineteen (19) properties, with six (6) properties still outstanding.

In summary, a total of 320 islands or portions have been inspected by the Timiskaming Health Unit or the Ministry of the Environment. Substandard methods of sewage disposal were encountered at 196 properties. This represents 61% of the islands surveyed.

By extrapolation, inadequate sewage systems could be expected on 405 of the 662 properties existing on Lake Temagami.

There remain 342 properties that have not been surveyed by either of these agencies. Again estimating a 61% occurrence of problems, this would indicate 209 properties with substandard systems that have yet to be inspected.

Based on information from the Timiskaming Health Unit, prior to 1976, the ratio of problems can be classified as follows.

Class II -	56.3%
Class IV (septic tank systems) -	22.9%
Class I (pit privies) -	20.8%

Inspections conducted by Ministry of the Environment in 1978 and 1979 verify these results. While most property owners dispose of toilet wastes adequately, sink and laundry wastes are usually disposed of directly onto the ground surface. The majority of the corrective work required was the installation of leaching pits. Cottagers are unaware of the deleterious effects of "grey wastes" on the quality of the lake water.

Due to the installation of a municipal sewage treatment plant in the Town of Temagami, an improvement in the bacteriological water quality of the Northeast Arm of Lake Temagami can be expected. However private cottages and commercial camps remain as potential sources of nutrient input.

In view of these findings, we can only conclude that further survey work is required of those properties not previously inspected.

PHASE I

LAKE TEMAGAMI SANITARY SURVEY - 1978

## INTRODUCTION

This survey was divided into two parts.

The intent of part 1 of the survey was to ascertain whether or not the problems the Health Unit discovered had been corrected and, if not, take appropriate action to ensure that their recommendations were followed.

A review of the Health Unit survey report was carried out, and from this, cottages were chosen to be resurveyed.

The list comprised all cottages that were noted to have faulty or inadequate sewage disposal systems.

Of the forty-four cottages the Health Unit inspected in their 1973-74 survey, ten had been designated as satisfactorily disposing sewage wastes. This left thirty-four cottages that needed reinspection (we later eliminated one cottage that had burned down and not been rebuilt).

In Part 2, in an effort to determine the need for an extensive survey of Lake Temagami, it was decided to conduct a survey of the islands located in the "hub" of the lake. This area was chosen due to:

- a) the results of the Water Quality study conducted in 1971 by the Ministry of the Environment;
- b) the area has never been surveyed by either the Ministry of the Environment, nor the Timiskaming Health Unit; and
- c) the population density of this area.

Thirteen properties were randomly chosen and a one day inspection program conducted.

All properties were assessed for the methods of sewage disposal. Following the inspection, each owner was notified of our findings.

If a problem was noted, the owner was requested to complete a Certificate of Approval and to sign the Pollution Abatement Form. This form indicated the problem, method of correction, and the date the owner was requested to have the problem eliminated.

Again the time period for correction would be considered substantial, however, for the reasons stated on page #2, the time was not considered the most important factor.

## CONCLUSIONS

Of forty-four (44) properties surveyed by the Timiskaming Health Unit in 1973-74, thirty-four (34) were required to upgrade the method of sewage disposal utilized.

Upon re-inspection of these properties by Environment personnel in 1978, ten (10) island owners had completed the necessary repairs. A further five owners had taken some remedial action. One cottage was destroyed by fire and not rebuilt.

Substandard methods of sewage disposal existed at 18 properties. These owners were notified of the problem and requested to complete system repairs in one year.

In part 2 of the survey, an additional thirteen (13) properties not previously inspected by the Timiskaming Health Unit were surveyed, as to the method of sewage disposal. Of this total, seven (7) were determined to have no visible problems.

Ministry staff were unable to determine the disposal method at two (2) properties. Substandard disposal of sink and laundry wastes existed at four (4) properties.

Similar to part 1 of the survey, owners were requested to correct the problems within one year.

## OBSERVATIONS

It was observed that of the thirty-three properties surveyed, only ten island owners had followed the Timiskaming Health Unit recommendations.

To these ten, a letter was sent (appendix #3) indicating our presence on the island and acknowledging their correction and thanking them for their co-operation.

Five of the thirty-three indicated some form of remedial action was taken, however, at the time of inspection we were unable to ascertain their method of sewage disposal.

To these five, correspondence was sent, indicating our presence on the island and notifying them that although there appeared to be no visible problem with their method of sewage disposal (appendix #4), it was considered their system was substandard according to today's standards and should be watched very closely.

To the remaining 18 cottagers, where the problem still existed, the owner was notified and requested to complete a Certificate of Approval application form and to sign a Pollution Abatement form (see appendix #2) and return them to our office.

Generally these forms were mailed to the owner accompanied by a letter of explanation, as well as information regarding a method of correction (see appendix 2 (a)). In cases where the island owner was present at the time of our inspection, he was given a Certificate of Approval and Abatement forms. In both instances the owner was allowed a one year period from the date of inspection to correct their problem, prior to taking a more formal approach to ensure this correction was carried out.

The time interval from the date of inspection to the recommended date of completion may be considered an unusually long period of time; however,

- the remoteness of the properties,
- the potential impact of the problems encountered,
- and the fact that the average owner only utilizes their island for approximately 2 weeks per year

necessitated a less stringent time frame for correction and therefore, it was decided that the one year period would be sufficient time to carry out any necessary repairs, and still be considered to have a minimal negative effect on water quality.

The following is a summary of our results. For more concise data, see appendix 1.

SUMMARY OF ISLANDS SURVEYED (PART ONE)  
IN 1978 BY THE MINISTRY OF THE ENVIRONMENT

1. Followed recommendations of 1973-74 survey	9
2. Installation of septic tank, tile field system (installed prior to survey).	1
3. Unable to determine methods of disposal	5
4. Systems updated, but still require further repairs	3
5. Leaching pits installed, but require further repairs	2
6. No improvements since 1973-74 survey	<u>13</u>
TOTAL PROPERTIES SURVEYED	<u>33</u>

Of the eighteen cottages that needed some form of repair, six have corrected their faulty sewage disposal system and have been inspected by this Ministry; eleven have signed agreement forms to have their particular problem corrected, and one has failed to acknowledge any correspondence.

In light of the fact that we were conducting a follow-up survey based upon Health Unit inspections and recommendations for one small area of the lake, we were quite interested in studying an area of Lake Temagami that had not previously been visited by either Health or Environment authorities.

We felt that the acquisition of this data could well establish an overall picture of what could be expected throughout the lake.

This subsequent study shall be referred to as survey 2.

In Part 2 of the survey, it was observed that out of the thirteen cottages surveyed, four had methods that disposed of sewage which contravened the Ontario Regulations, seven had no visible problems, although this does not necessarily mean they meet environmental standards, and at two cottages the inspection team were unable to determine the method of sewage disposal.



SUMMARY OF ISLANDS SURVEYED (SURVEY TWO)  
BY THE MINISTRY OF THE ENVIRONMENT IN 1978

No visible problems although systems were substandard	7
Leaching pit problems	4
Unable to determine methods of disposal	<u>2</u>
TOTAL	13

It was noted throughout the survey, when cottagers were interviewed, there appeared to be a lack of knowledge regarding the consequences of sink and laundry wastes that are permitted to enter a watercourse.

Many of the cottagers were quite unaware of the harm in disposing of these wastes on the ground surface or into the lake itself, and in two cases, cottagers were washing and rinsing clothes along the shoreline.

SUMMARY - PHASE I

During our survey work, a thorough search of each island property was conducted to establish areas of suitable soil for the installation of leaching pits or other sewage disposal systems. An interview with the cottager (when this was probable), elaborated the problems and definitions of sewage and its impact on water quality were carried out.

At locations where there was a suitable amount of soil to install leaching pits, but not enough to establish pit privies, cottagers found that chemical toilets were the only solution. Although many of these units are self-contained, there are some models which require a periodic removal of wastes. We discovered that these wastes were disposed of at dump sites which are operated by the Ministry of Natural Resources.

## SOLUTIONS

At each island where sewage disposal problems were evident, a solution was found. This solution was based upon the present state of the lot with no consideration given to upgrading the cottage (i.e. forced water, additional bedrooms or living area). Our recommendations were as follows.

### A) Septic Tank, Tile Field Installations

This recommendation was given as a means of disposal where forced water, washbasins and toilets were in existence. The lack of soil cover and adequate area, limited the locations where such a system could be installed. In many cases, the importation of adequate and suitable soil was the determining factor in which this method of sewage disposal could only exist.

### B) Proprietary Aerobic Systems

In areas where there was a moderate amount of soil, but a lack of sufficient area, it was suggested that a proprietary aerobic system be installed (this system has proven to be the only solution to many of the cottagers of Lake Temagami). Although costly, it is the only solution where a cottager insists on having forced water with little available area. The cottage must also be serviced with hydro, as the unit is dependant upon an electrical energy source to run various pumps.

### C) Holding Tanks

With the lack of soil and area, a holding tank is the only method of sewage disposal for cottagers with pressure water supply surplus on many of the islands on Lake Temagami. These systems may be located above ground (lack of soils) and with the primary distance requirements of 10 feet from any lake, river, spring, stream, well or pond, seem to be well suited for all small island properties.

Many of the cottagers were forewarned that a study undertaken by the Bear Island Indian Band to determine if a pump-out service for holding tanks on Lake Temagami was feasible, concluded that the costs involved and the lack of suitable lagoon sites made it extremely costly to provide a service of this nature.

They were also advised that a local contractor was barging his

pump-out truck to certain islands where residents had installed holding tanks; however, the cost of this pump-out was unknown and should be considered prior to establishing a holding tank.

Based upon this data, as well as the future costs involved, a holding tank was not the ideal means for disposal unless no other alternative remained.

D) Leaching Pits and Pit Privies

When a cottage was in existence and had less than two sinks, the Ministry would accept installations of leaching pits and privies as a suitable means of sewage disposal, provided the system functioned to our satisfaction.

E) New Building

In situations where a new building was to be constructed, an approval was given provided there was an adequate area for future septic tank and tile field installations, and this area was to remain void of all buildings.

RECOMMENDATIONS - PHASE I

In light of these findings, it is recommended that:

- A) A further study be carried out on the remainder of the lake. This study should identify problems and request remedial action.
- B) An educational program should be set up to inform all cottagers of the proper methods of sewage disposal.

APPENDIX ONE

<u>Island #</u>	<u>Corrections</u>	<u>Problems</u>
344	- leaching pit installed	- leaching pit required - leaching pit too close to the lake (chemical toilet)
345	- corrections necessary	- leaching pit required
346	- leaching pit installed	-leaching pit required - privy too close to lake -(chemical toilet with cesspool)
357	- two leaching pits installed	- approved system
359	- one leaching pit installed - fixtures removed from sleep cabin	- approved system
369	- correction necessary	- leaching pit required
375	- correction necessary	- questionable system
378	- correction necessary	- leaching pit required
378 HS2246	- correction necessary	-put cover on leaching pit
381	- leaching pit installed	-approved system
386	- leaching pit installed	- approved system
387	- correction necessary	- questionable system
388 RW 109	- correction necessary	- questionable system
388 RF87	- installed Class 4 system	- hook up sink outlet to septic tank
394	- correction necessary	- lengthen hose for leaching pit
402	- leaching pit installed - new privy erected	- approved system
414	- correction necessary	- questionable system

<u>Island #</u>	<u>Corrections</u>	<u>Problem</u>
416	- leaching pit installed	-approved system
421	- leaching pit to be installed - new privy to be erected	- final approval still necessary
435	- correction necessary	- questionable system
436	- leaching pit installed	- approved system
439	- leaching pit installed	- approved system
446	- correction necessary	- leaching pit required - (chemical toilet)
449	- correction necessary	- questionable system
464	- correction necessary	- leaching pit required - (chemical toilet)
495	- leaching pit installed	- approved system
496	- correction necessary	- leaching pit required
510	- correction necessary	- leaching pit required
520	- correction necessary	- leaching pit required
544	- correction necessary	- leaching pit required - one privy required
553	- correction necessary	- leaching pit required
559 RW 171	- leaching pit installed	- (chemical toilet)
578	- correction necessary	- leaching pit required

Island #	Owner's Address	Pollution Abatement Form		Certificate of Approval		Letter of Acknowledgement	Other
		Sent	Returned	Sent	Returned		
344	Mr. Ross McGregor 2157 Walton Ave. Pittsburgh PA 15210	July 20, 1978		July 20, 1978			
345	Mr. W.H. Schultheis 5th Extension Rd. Verona, PA 15147	July 20, 1978		July 20, 1978			
346	Mr. W.T. Kester, 3972 Lancaster Rd. South Euclid, Ohio 44121	July 26, 1978		July 17, 1978	July 17, 1978		
357	Mrs. Johanna Jones 7628 Union Ave. Cleveland, Ohio 44105					July 20, 1978	
359	Mr. F. B. Wink 303 Riverside Dr. Buffalo NY 14207					July 20, 1978	
369	Mrs. Edith Schnatz 731 West Ferris St. Buffalo 22 NY 14222	July 20, 1978		July 20, 1978			
375	Dr. M. Campbell Dobin, 51 Hi Mount Dr. Willowdale, Ont.						July 25, 1978



Island #	Owner's Address	Pollution Abatement Form		Certificate of Approval		Letter of Acknowledgement	Other
		Sent	Returned	Sent	Returned		
378	Mr. Shuster 1164 Rosedale Dr. Greenburg PA 15601	July 20, 1978	Aug. 21, 1978	July 20, 1978			
378	Mr. R.H. Paltrow 40-21 Bell Blvd. Bayside Long Is. New York	July 26, 1978					
381 and 386	Dr. Clyde N. George 124 North Drive Buffalo, NY 14216	July 26, 1978					
387	Mr. Paul Miller 12 Andrews Ave. Jeanette PA						July 25, 1978
388 RW109	Mr. Bruno Ferrari Box 150 Latrobe, PA						July 25, 1978
98 RF87	Mr. Bruno Ferrari Box 150 Latrobe PA	July 26, 1978	Aug. 4 1978				
394	Mr. R. Paine 15 Minwood Dr. Chagrin Falls, Ohio 44123	July 26, 1978					
402	Mrs. Janet McCarthy 69 Daly Ave. Stratford, Ont.					July 25, 1978	

Island #	Owner's Address	Pollution Abatement Form		Certificate of Approval		Letter of Acknowledgement	Other
		Sent	Returned	Sent	Returned		
414	Ms. D. C. Nemetz 7701 Fitz Water Rd. Brecksville, Ohio 44141						July 25, 1978
416	Mr. D.C. Goodman 9412 Athens Rd. Fair Fax, Virginia 22030					July 25, 1978	
421	Mr. David Schuller 1743 Philadelphia Dr. Dayton, Ohio 45406			July 16, 1978	July 16, 1978		
435	Mrs. Rita Booth 3020 Washington Rd West Palm Beach Florida						July 25, 1978
436	Dr. John Cameron 95 Paiseley Ave. W. Hamilton, Ont. L8S 4H2					July 25, 1978	
439	Mr. T. Cebrynski R. R. # 1, Port Robinson, Ont.					July 25, 1978	
446	Richard Kolar 3994 East 54th St. Cleveland, Ohio	July 21, 1978	July 21, 1978	July 21, 1978	July 21 1978		
449	Mr. D.A. White 331 Timberidge Trail Gates Mills, Ohio 44040					Aug. 4, 1978	July 24, 1978

Island #	Owner's Address	Pollution Abatement Form		Certificate of Approval		Letter of Acknowledgement	Other
		Sent	Returned	Sent	Returned		
464	Mr. W.M. Petit 412 Elm Ave. Terrace Park, Ohio 45174	July 25, 1978		July 24, 1978			
495	Mr. R.C. Freeman Road 4, Box 562 Cheasapeake Landing Chestertown Maryland 21620					July 20, 1978	
496	Dr. Joseph A. Sullivan Suite 304, One Medial Place, 20 Wynford Dr. Don Mills, Ont.	July 24, 1978		July 24, 1978			
510	Mr. Howard Algae 11180 Wilson Mills Rd. Chardon, Ohio 44024	July 25, 1978		July 25, 1978			
520	Ms.Elizabeth Dashwood 930 Kingston Rd.	July 26, 1978		July 26, 1978			
544	Mr. J. Reginer Vasson College Poughkeepsie NY 12601	July 25, 1978		July 25, 1978			
553	Ms Nita M. Reginer Vasson College Poughkeepsie, NY 12601	July 25, 1978		July 25, 1978			
559 RW 171	Harry Maynard 36 Eureka St. Unionville, Ont. 13R 2H8	July 18, 1978	July 18, 1978	July 18, 1978	July 18, 1978		

Island #	Owner's Address	Pollution Abatement Form		Certificate of Approval		Letter of Acknowledgement	Other
		Sent	Returned	Sent	Returned		
578	Mr. Juri Lainevoor 44 Goodyear Cres. Willowdale, Ont.	July 25, 1978		July 25, 1978			

Island #	Owner's Address	Pollution Abatement Form		Certificate of Approval		Letter of Acknowledgement	Other
		Sent	Returned	Sent	Returned		
159	Dr. B. A. Seymour, 9 Lytton Blvd., Toronto, Ont.					July 31, 1978	
167	Mr. Wayne Edwin Slayer, 11 Stewart East, Oakville, Ont.						July 31, 1978
185	Mr. Don Cooke 270 Briscoe St. E. London, Ont. N6C 6X6					July 31, 1978	
281	Mr. H. Wiersma, Box 9, Britt, Ont.						July 31, 1978
268	Mr. W. D. Bailey 20 Abinger Cres. Islington, Ont. M9B 2W5	July 31, 1978	August 14 1978	July 31, 1978	Aug. 14, 1978		
280	Mr. V.P. Van Vlyman 137 Fairbank Cres. Thunder Bay, Ont.					July 31, 1978	

Island #	Owner's Address	Pollution Abatement Form		Certificate of Approval		Letter of Acknowledgement	Other
		Sent	Returned	Sent	Returned		
284	Mr. R. F. Horner, 18570 Bungalow Dr. Lathrop Village, Michigan 48076	July 31, 1978		July 31, 1978			
300	Mr. E. M. Stoughton Group Box 17 Temagami, Ontario.	July 31, 1978		July 31, 1978			
300	Mr. M. W. Ade, 14 Burnham Thorpe Rd. W. Oakeville, Ont.					July 31, 1978	
307	Mrs. G. Biggar 36 King St. W. Toronto, Ont.					July 31, 1978	
711	Mrs. H. Ball 53 Southwood Dr. Toronto, Ont.	July 31, 1978		July 31, 1978			
708	Mr. S.S. MacInnes 55 Fitch St. Welland, Ont.					July 31, 1978	
713	Mr. Robert R. Eldridge 410 A Aumnerhill Ave. Toronto, Ont.					July 31, 1978	

SURVEY PART ONE AND TWO

SITES TO BE RE-INSPECTED IN JULY 1979

July	18	20	21	24	25	26
Island #	559	344	446	496	464	378
		345			510	388 (RF87)
		369			544	394
		378			553	520
		268			578	
		284				
		300				
		711				



MINISTRY OF THE ENVIRONMENT

COTTAGE POLLUTION CONTROL PROGRAM  
**POLLUTION ABATEMENT REPORT**

LAKE \_\_\_\_\_ ESTABLISHMENT NO. \_\_\_\_\_ SUB-EST. NO. \_\_\_\_\_

The above establishment was visited by \_\_\_\_\_

on \_\_\_\_\_, 19 \_\_\_\_\_

The matters listed below were discussed with

\_\_\_\_\_ Establishment Owner

**CONCLUSIONS, AGREEMENT AND FINAL REPORT**

Conclusions:—

\_\_\_\_\_  
Abatement Advisor

I am in agreement with the above findings and will undertake to have  
the work completed by \_\_\_\_\_

Owner: \_\_\_\_\_

Date: \_\_\_\_\_

Final Inspection Report:—

\_\_\_\_\_  
Abatement Advisor





Ontario

Ministry of the  
Environment

Northeastern  
Region

Northgate Plaza  
1500 Fisher Street  
North Bay, Ontario.  
P1B 2H3  
(705) 476-1001

APPENDIX 2 (a)

Dear

Re: Island , Lake Temagami.

On July 20, 1978, your island property was visited by myself and Ms. Jan Linquist. At the time of our inspection, it was observed that a drain pipe laid on the ground surface showed evidence of sink wastes discharges.

Please be advised that this does not constitute an acceptable method of disposal for such wastes, as indicated in the Environmental Protection Act - Regulation 229/74. In the regulation:

(x) sewage means:

(1) waste of domestic origin which is human body waste, toilet waste, liquid or water borne culinary and sink waste or laundry waste.

Therefore, it will be necessary for you to install a Class 2 (leaching pit) to provide for disposal of these wastes. Enclosed you will find information regarding the construction of such pits as well as an application for a Certificate of Approval. Also enclosed is a Pollution Abatement form.

Please complete and sign both forms and return them to our office no later than November 1, 1978.

Should you fail to meet with our deadlines, we will have no alternative but assume that you have chosen not to comply with our requests, therefore, we will be forced to take further action. Should you have any questions concerning this matter, please do not hesitate to contact our office.

Yours very truly,

Sue LeBlond,  
for Wayne M. Marshall,  
Environmental Officer

SL/



Ontario

Ministry of the  
Environment

Northeastern  
Region

Northgate Plaza  
1500 Fisher Street  
North Bay, Ontario.  
P1B 2H3  
(705) 476-1001

APPENDIX 3

Dear

Re: Island , Lake Temagami,  
Lake Temagami Survey.

On July 21, 1978, your island property on Lake Temagami was visited by myself and Mr. W. Marshall, Environmental Officer.

Our re-investigation of your island was conducted on the basis that Mr. Bruce James of the Timiskaming Health Unit made recommendations in his survey of 1973-74. He concluded that the method of your disposal of sink water wastes proved unsatisfactory.

At the time of our inspection, it was observed that you had corrected the problem by installing a leaching pit.

We acknowledge your efforts in this matter and would like to thank you for being so co-operative. Should you ever require our services or advice, please do not hesitate to contact our office.

Yours very truly,

Sue LeBlond,

for Wayne M. Marshall,  
Environmental Officer.

SL/



Ontario

Ministry of the  
Environment

Northeastern  
Region

Northgate Plaza  
1500 Fisher Street  
North Bay, Ontario.  
P1B 2H3  
(705) 476-1001

APPENDIX 4

Dear

Re: Island , Lake Temagami.

On July 20, 1978, your island property was visited by myself and Ms. Jan Linquist.

At the time of our inspection, it was observed that you have installed a system to dispose of sewage wastes.

Although we noted that the system would not meet present day standards, it appeared to be functioning adequately.

Should you ever require our advice or assistance concerning environmental problems, the construction of leaching pits, pit privies or septic tank - tile fields, please do not hesitate to contact our office.

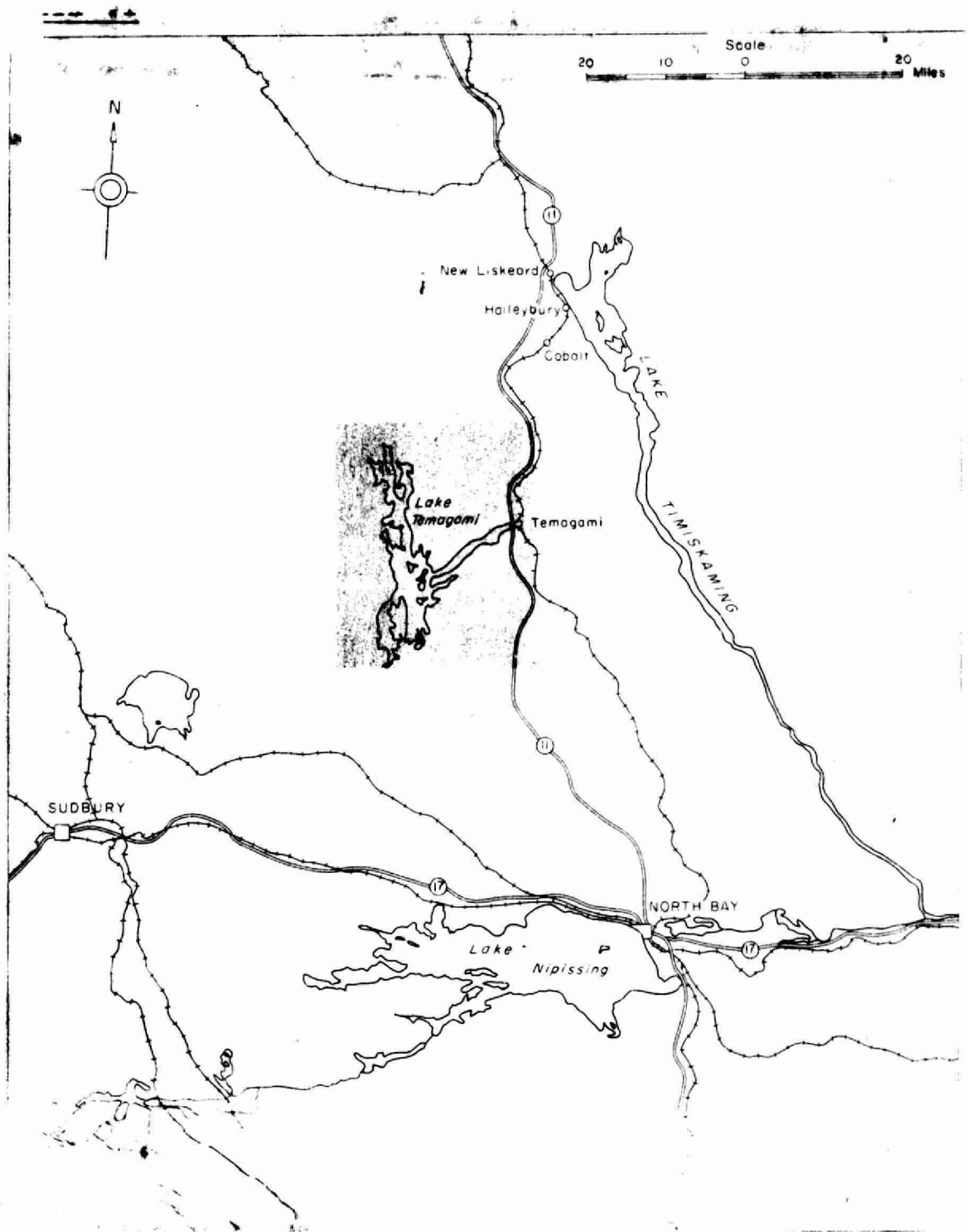
Yours very truly,

Sue LeBlond,

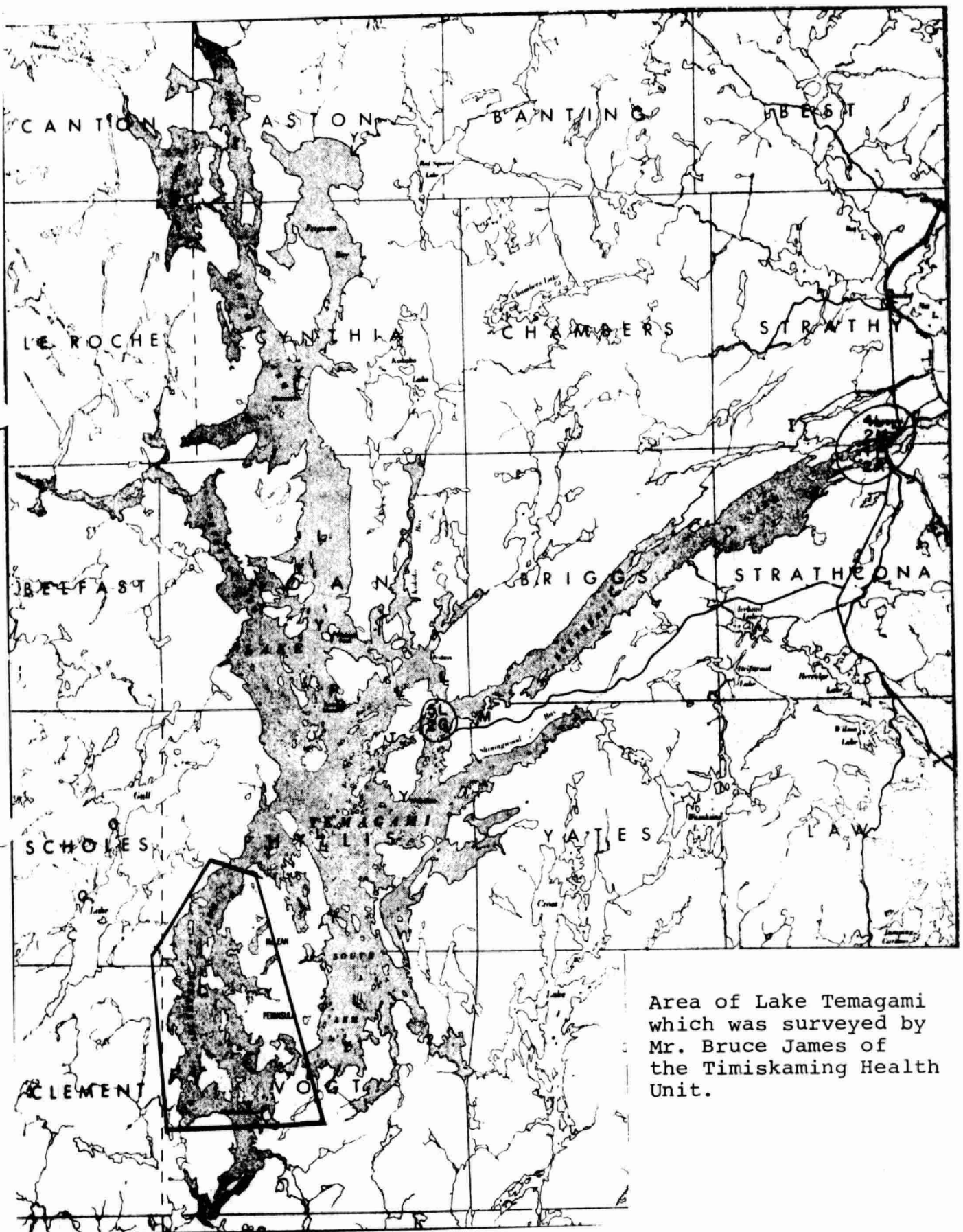
for Wayne M. Marshall,  
Environmental Officer.

SL/

MAP ONE



MAP TWO



Area of Lake Temagami  
which was surveyed by  
Mr. Bruce James of  
the Timiskaming Health  
Unit.

GLOSSARY OF TERMS

Proprietary Aerobic Sewage Treatment Plant

This is a commercially available unit which consists of one or more watertight vaults or compartments in which sewage is collected. Scum, grease and solids are removed from the liquid. The sewage is brought into contact with air to cause oxidation of the sewage and the clarified and oxidized effluent is discharged for future treatment or for disposal into the soil.

Sewage

Waste of domestic origin which is human body waste, toilet waste, liquid or waterborne culinary and sink waste or laundry waste.

PHASE II

LAKE TEMAGAMI SANITARY SURVEY 1979

INTRODUCTION:

Based upon a sanitary survey of Lake Temagami conducted in 1978 by this Ministry, and in previous years by the Timiskaming Health Unit, follow-up inspections were conducted of those properties determined to have sewage disposal problems. The purpose of the re-inspections was to determine whether or not the required corrective work was conducted on those properties where sewage problems existed.

The 1978 sanitary survey was divided into two sections.

Part 1 of the survey was conducted to ascertain whether or not the problems previously discovered by the Timiskaming Health Unit had been corrected. If not, further action was undertaken to ensure that their recommendations were followed.

In Part 2 of the 1978 survey, properties not previously inspected were randomly selected. The purpose of this was to determine the need for an extensive survey of the entire lake.

In the fall of 1978 and summer of 1979 re-inspections were conducted of those properties defined as having sewage problems from Parts 1 and 2 of the 1978 sanitary survey. Re-inspections were conducted following notification by the owner that corrections had been made.

Where the owner did not contact this Ministry, the property was visited subsequent to the expiry date on the Pollution Abatement Report.



CONCLUSION

Of the twenty-five (25) properties where sewage disposal problems existed following Phase I of the sanitary survey, nineteen (19) of the property owners (76%) have completed repairs.

As of this date, six (6) property owners have not completed the necessary upgrading of the sewage disposal systems. As a result, these files are still outstanding.

Most of the sewage problems encountered were due to the incorrect disposal of sink wastes.

In general, the majority of cottagers contacted were co-operative and willing to comply with Ministry requests.

OBSERVATIONS:

The re-inspection results of Parts 1 and 2 of the 1978 survey are listed in Appendixes 1 and 2 respectively.

From a preliminary survey conducted by the Timiskaming Health Unit, thirty-two (32) properties were found to have substandard methods of sewage disposal that required upgrading. When inspected by this Ministry in 1978, twelve (12) owners had completed the required repairs. The remaining twenty (20) cottagers were notified that they had one year to upgrade the sewage disposal systems.

Following re-inspection of the twenty properties in the fall of 1978 and 1979, fifteen (15) owners had conducted the required improvements. A letter was subsequently sent to these owners acknowledging the repairs and thanking them for their co-operation (see Appendix #3).

Three owners requested and were granted extension of the deadline for the completion of work. Of these three, two will have the upgrading completed by July 1980. The remaining one is to have the work finished by August 1980. All three individuals were notified, acknowledging the extension granted, and requested to contact this office when the properties require an inspection.

As it was not possible to determine the method of sewage disposal utilized at one property, the owner was asked to contact this Ministry to arrange a meeting regarding this matter.

As of this date, no meeting has been arranged. The property owner has again been notified and asked to provide a mutually agreeable date in 1980 (see Appendix #4).

One cottage owner has failed to complete the required repairs to his existing sewage system. The Pollution Abatement Report stated that a leaching pit was to be installed by July 17, 1979. The owner signed the report, agreeing to the necessary corrections. On inspection of the site following the completion date, it was noted that the leaching pit was not installed.

A letter was sent to the owner requesting that he contact this office as to the current status of this installation.

The office was notified that the property had recently been purchased.

A letter was sent to the new owners of the property, informing them of the existing problem with the method of sewage disposal (see Appendix #5).

A Pollution Abatement Report, requesting correction of the problem by July 17, 1980 was also sent.

As of the date of this report, the necessary corrections have been completed at fifteen (15) properties. Five (5) properties have outstanding work that remains to be completed.

In Part 2 of the 1978 survey, thirteen (13) properties, not previously surveyed, were inspected. Of these, four (4) were found to have substandard sewage disposal systems. At an additional property, Ministry staff were unable to determine the method of sewage disposal employed.

The results of the re-inspection of these properties are listed in Appendix 2.

In all four cases, the owners completed the work requested by Ministry staff.

The owner of Island #167 contacted the Ministry following our request to meet and discuss the existing sewage system. However, as of this date, a meeting date has not been arranged.

The property owner has again been notified (see Appendix #4) and requested to arrange to meet in 1980.

SUMMARY - PHASE II

In summary, a total of twenty-five (25) properties inspected in 1978 required correction of problems of sewage disposal. All properties have since been reinspected.

Of this total, the required repairs have been completed, inspected and acknowledged for nineteen (19) properties. Three (3) individuals have been granted an extension of the date for completion of repairs. One (1) property has been sold and the new owners were notified that corrections were necessary.

Two (2) property owners are to arrange possible dates to meet and discuss the existing method of sewage disposal employed.

Those properties where there is outstanding work yet to be completed are listed below.

<u>Island No.</u>	<u>Owner</u>	<u>Completion Date</u>
344	McGregor	July 20, 1980
345	Mondoux et al	July 17, 1980
394	Hallman	July 21, 1980
421	Schuller	August 1, 1980
435	Booth	to provide date to meet
167	Slayer	to provide date to meet

RECOMMENDATIONS - PHASE II

- 1) That the outstanding requests for upgrading of sewage disposal systems be completed.
- 2) That, with regard to the high incidence of sewage problems with existing properties, further studies be conducted on the remainder of Lake Temagami not surveyed. In view of the relative success of the 1978 sanitary survey, it is suggested that only a small number of cottages be surveyed during a given time period. Using this method, re-inspection of necessary corrections may be completed in the available time period.

APPENDIX 1  
RE-INSPECTION OF PROPERTIES WITH  
SEWAGE DISPOSAL SYSTEMS REQUIRING  
UPGRADING FROM PART I OF  
TEMAGAMI LAKE SURVEY, 1978

ISLAND #	OWNER'S NAME AND ADDRESS	CORRECTIVE ACTION REQUIRED	DATE OF WORK COMPLETION	DATE OF RE-INSPECTION	OBSERVATIONS	COMMENTS/ACTION
344	Mr. Ross McGregor, 2157 Walton Avenue, PITTSBURG, PA 15210	install leaching pit	July 20 1979  July 20 1980	Aug. 27/79	given extension to July 20, 1980 to install leaching pit.	sent letter acknowledging extension of deadline.
345	Mr. W.H. Schultheis 5th Extension Road, VERONA, PA 15147	install leaching pit	July 17 1979	Aug. 27/79	leaching pit not installed.	island sold to Leveques St. George, Rivet, Mondoux, Boissonnault - sent Pollution Abatement Report - to install leaching pit by July 17, 1980.
346	Mr. W.T. Kester, 3972 Lancaster Rd., SOUTH EUCLID, Ohio. 44121	install leaching pit	July 17 1979	Aug 9 1978	sink drain from sleep cabin connected to existing leaching pit	sent letter of acknowledge- ment.
369	Mrs. Edith Schnatz, 731 West Ferris St BUFFALO 22 New York 14222	install leaching pit	July 17 1979	Oct 18 1979	leaching pit installed	sent letter of acknowledge- ment.
378 RF 13	Mr. W. Shuster, 1164 Rosedale Dr., GREENSBURG, PA 15601	install leaching pit	July 17 1979	Sept 13 1978	leaching pit installed	sent letter of acknowledge- ment.
378 HS 2246	Mr. H.R. Paltrow, 5832 W. Wilshire TUCSON, Arizona 85712	install suitable cover for leaching pit	Sept 17 1979	Aug 27 1979	cover installed for leaching pit.	sent letter of acknowledge- ment.
388 RF 87	Mr. Bruno Ferrari, Box 150, LATROBE, PA	connect sink waste outlet to existing Class IV system.	July 21 1979	Sept 13 1978	connection to Class IV system completed.	sent letter of acknowledge- ment.

ISLAND #	OWNER'S NAME AND ADDRESS	CORRECTIVE ACTION REQUIRED	DATE OF WORK COMPLETION	DATE OF RE-INSPECTION	OBSERVATIONS	COMMENTS/ACTION
394	Mr. B. Hallman, 18309 Edinboro, MAPLE HEIGHTS, Ohio. 44137	lengthen pipe to facilitate proper drainage into leaching pit.	July 21 1979	Aug 27 1979	pipe lengthened however, leaching pit is not adequate - must be enlarged and encased.	sent letter requesting leaching pit be enlarged and encased. given extension of deadline until July 21, 1980.
414	Mrs. D.C. Nemetz, 7701 Fitz Water BRECKSVILLE, Ohio. 44141	install leaching pit and move pit privy	Aug 9 1979	Oct 18 1979	leaching pit installed pit privy relocated.	sent letter of acknowledgment.
421	Mr. D. Schuller, 1743 Philadelphia DAYTON, Ohio. 45406	install leaching pit and pit privy.	July 16 1979	Oct 18 1979	cottage still under construction leaching pit and pit privy not installed.	sent letter giving extension until August 1, 1980.
435	Mrs. Rita Booth 3020 Washington WEST PALM BEACH, Florida.	unable to determine method of sewage disposal requested meeting	-	-	Mr. Booth has contacted office - was to provide date for meeting in 1979.	to provide dates in 1980 when he will be available to discuss method of sewage disposal.
446	Mr. R. Kolar, 3994 E 54th St., CLEVELAND, Ohio. 44105	install leaching pit	July 21 1979	Aug 27 1979	leaching pit installed	sent letter of acknowledgment.
464	Mr. W. Petit, 412 Elm Avenue, TERRACE PARK, Ohio. 45174	install leaching pit	July 21 1979	Oct 18 1979	leaching pit installed	sent letter of acknowledgment.
496	Dr. J.A. Sullivan 11 Mason Blvd., TORONTO, Ontario.	install leaching pit	July 18 1979	Oct 18 1979	leaching pit installed	sent letter of acknowledgment.



ISLAND #	OWNER'S NAME AND ADDRESS	CORRECTIVE ACTION REQUIRED	DATE OF WORK COMPLETION	DATE OF RE-INSPECTION	OBSERVATIONS	COMMENTS/ACTION
510	Mr. Howard Algae, 11180 Wilson Mills CHARDON, Ohio. 44024	install leaching pit	July 19 1979	Sept 13 1978	leaching pit installed	installation approved.
520	Mrs. E. Dashwood, 930 Kingston Rd., TORONTO, Ontario.	install leaching pit	Sept 4 1979	Oct 18 1979	steel drum for leaching pit is installed - must be covered.	sent letter acknowledging installation stated it must still be covered.
544	Mrs. E. Regnier, 139 College Ave., POUGHKEEPSIE, New York. 12603	install leaching pit and pit privy	July 18 1979	Aug 27 1979	-in letter of Nov. 22/78, Mrs. Regnier stated no water or no facilities on island - building used solely as studio.	letter acknowledged - no systems necessary.
553	Mrs. E. Regnier, 139 College Ave., POUGHKEEPSIE, New York. 12603	install leaching pit	July 18 1979	Aug 27 1979	leaching pit installed	sent letter of acknowledgment.
559 RW171	Mr. Harry Maynard, 36 Eureka St., UNIONVILLE, Ont. L3R 2H8	install leaching pit	July 18 1979	Sept 17 1979	leaching pit installed	sent letter of acknowledgment.
578	Mr. Juri Lainevoori 44 Goodyear Cres. WILLOWDALE, Ont.	install leaching pit	July 25 1979  Oct 30 1979	Oct 18 1979	requested extension until Oct 30/79 initial inspection on Sept 17/79 - showed leaching pit installed, but not connected.	sent letter of acknowledgment stating that leaching pit must be connected and proper cover installed.

APPENDIX 2  
RE-INSPECTION OF PROPERTIES  
WITH SEWAGE DISPOSAL  
SYSTEMS REQUIRING UPGRADING  
FROM PART II OF TEMAGAMI LAKE  
SURVEY, 1978

ISLAND #	OWNER'S NAME AND ADDRESS	CORRECTIVE ACTION REQUIRED	DATE OF WORK COMPLETION	DATE OF RE-INSPECTION	OBSERVATIONS	COMMENTS/ACTION
167	Mr. Wayne E Slayer 11 Stewart East OAKVILLE, Ont.	unable to determine method of sewage disposal - requested meeting.	-	-	Mr. Slayer has contacted office - no meeting arranged yet.	to provide dates in 1980 when available to discuss method of sewage disposal.
268	Mr. W.D. Bailey, 20 Abinger Cres. ISLINGTON, Ont. M9B 2W5	install leaching pit	July 20 1979	Aug 30 1978	leaching pit installed	sent letter of acknowledgment.
284	Mr. R.F. Horner, 18570 Bungalow Dr. LATHROP VILLAGE, Michigan. 48076	install leaching pit	July 20 1979	Sept 17 1979	leaching pit installed	sent letter of acknowledgment.
300	Mrs. E. Stoughton, P.O. Box 1191, BANCROFT, Ont. K0L 1C0	connect laundry facilities to existing sewage disposal system.	July 20 1979	Sept 17 1979	laundry facilities disconnected - no longer in use - to be connected to septic system in future.	sent letter stating that laundry facilities must be connected to septic system prior to use.
711	Mrs. H. Ball, 53 Southwood Dr., TORONTO, Ontario.	redirect sewage wastes to existing Class IV system or install leaching pit	July 20 1979	Sept 17 1979	leaching pit installed	sent letter of acknowledgment.



Ontario

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Northeastern  
Region

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1500 Fisher Street  
North Bay, Ontario  
P1B 2H3  
(705) 476-1001

APPENDIX 3

Dear

Re: Island

On your island was inspected. This re-inspection is in conjunction with the Temagami Lake survey conducted by our staff in 1978.

At the time of this final inspection, it was noted that a leaching pit had been installed. The installation satisfies the work required by this Ministry.

We acknowledge your efforts in this matter and would like to thank you for being so co-operative. Should you ever require our services or advice, please do not hesitate to contact our office.

Yours truly,

Jan Linquist.

JL:11

Temagami Lake Survey



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Northeastern  
Region

Northgate Plaza  
1500 Fisher Street  
North Bay, Ontario.  
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(705) 476-1001

APPENDIX 4

Dear

Re: Island ,  
Lake Temagami.

In the fall of 1978, we requested that you advise us as to the next possible dates when you will be at your property. We wish to discuss the method of sewage disposal on your island.

As of this date, you have not contacted us.

Could you please advise us as to the dates when you will be available in 1980 to discuss this matter.

Yours truly,

Jan Linquist.

JL:11

Temagami Lake Survey



Ontario

- 49 -

Ministry of the  
Environment

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1500 Fisher Street  
North Bay, Ontario.  
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APPENDIX 5

Dear

Re: ISLAND , LAKE TEMAGAMI,  
TOWNSHIP OF

Our office has been informed by Mr. W. H. Schultheis of Pennsylvania that you have purchased his island property on Lake Temagami.

On July 17, 1978 this island was inspected as part of a sanitary survey of Lake Temagami. At that time, it was noted that the method of sewage disposal was not acceptable. Sink wastes were disposed of directly onto the ground surface.

Mr. Schultheis was sent a Pollution Abatement Report requesting the problem be corrected. He agreed to install a Class 2 (leaching pit) system for sink wastes by July 17, 1979.

Upon re-inspection of this property on August 27, 1979, it was noted that the leaching pit has not been installed.

Mr. Schultheis informed this office that he had sold the property.

Please be advised that the problem still remains to be corrected. I have enclosed information regarding the construction of leaching pits. Also enclosed is a Pollution Abatement Report, stating the necessary repairs.

Please sign the report and return it to our office no later than November 16, 1979.

Should you have any questions concerning this matter, do not hesitate to contact this office.

Yours truly,

Jan Linquist.

JL:11

Enclosure

Lake Temagami Survey

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